

03/25/99
Jc648 U.S. PTO

PATENT APPLICATION TRANSMITTAL LETTER
(Small Entity)

Docket No.
D-1507

TO THE ASSISTANT COMMISSIONER FOR PATENTS

Transmitted herewith for filing under 35 U.S.C. 111 and 37 C.F.R. 1.53 is the patent application of:

Denison W. Bollay

For: **A Method Of Executing An Electronic Commerce Sale From An Affiliate Web Site With A Vendor Through A Hub Server In One Step Without Reentering Shipping And Payment Information**

Enclosed are:

- ☒ Certificate of Mailing with Express Mail Mailing Label No. EJ018243175US
- ☒ Six (6) informal sheets of drawings.
- ☐ A certified copy of a _____ application.
- ☒ Declaration ☒ Signed. ☐ Unsigned.
- ☐ Power of Attorney
- ☐ Information Disclosure Statement
- ☐ Preliminary Amendment
- ☒ One Verified Statement(s) to Establish Small Entity Status Under 37 C.F.R. 1.9 and 1.27.
- ☒ Other: Return receipt post card

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	30	- 20 =	10	x \$9.00	\$90.00
Indep. Claims	6	- 3 =	3	x \$39.00	\$117.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$380.00
TOTAL FILING FEE					\$587.00

- ☒ A check in the amount of \$587.00 to cover the filing fee is enclosed.
- ☐ The Commissioner is hereby authorized to charge and credit Deposit Account No. _____ as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____ as filing fee.
- ☐ Credit any overpayment.
- ☐ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: 3-25-99

Owen L. Lamb
Signature

Owen L. Lamb, Reg. # 20,831
Attorney of Record
(805) 963-5658
PO Box 240
Santa Barbara CA 93102-0240

CC:

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9(f) AND 1.27 (c)) - SMALL BUSINESS CONCERN**

Docket No.
D-1507

Serial No.

Filing Date

Patent No.

Issue Date

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Applicant/ **Denison W. Bolly**
Patentee:

Invention: **A Method Of Executing An Electronic Commerce Sale From An Affiliate Web Site With A Vendor Through
a Hub Server In One Step Without Reentering Shipping And Payment Information**

I hereby declare that I am:

- ☐ the owner of the small business concern identified below:
☒ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF CONCERN: **Expertelligence, Inc.**

ADDRESS OF CONCERN: **203 Chapala Street, Santa Barbara CA 93101**

I hereby declare that the above-identified small business concern qualifies as a small business concern as defined in 37 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the above identified invention described in:

- ☒ the specification filed herewith with title as listed above.
☐ the application identified above.
☐ the patent identified above.

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed on the next page and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- ☒ no such person, concern or organization exists.
☐ each such person, concern or organization is listed below.

FULL NAME _____
 ADDRESS _____

☐ Individual ☐ Small Business Concern ☐ Nonprofit Organization

FULL NAME _____
 ADDRESS _____

☐ Individual ☐ Small Business Concern ☐ Nonprofit Organization

FULL NAME _____
 ADDRESS _____

☐ Individual ☐ Small Business Concern ☐ Nonprofit Organization

FULL NAME _____
 ADDRESS _____

☐ Individual ☐ Small Business Concern ☐ Nonprofit Organization

Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

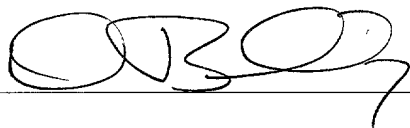
NAME OF PERSON SIGNING: Denison W. Bollay

TITLE OF PERSON SIGNING

OTHER THAN OWNER: President, Expertelligence, Inc.

ADDRESS OF PERSON SIGNING: 203 Chapala Street
Santa Barbara CA 93101

SIGNATURE: _____



DATE: _____

3.25.99

UNITED STATES PATENT APPLICATION

**A Method Of Executing An Electronic Commerce Sale From An
Affiliate Web Site With A Vendor Through A Hub Server In One
Step Without Reentering Shipping And Payment Information**

Inventor:

Denison W. Bollay

Prepared by:

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(805) 963-5658

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail Number EJ 018243175 US in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on 3-25-99



Owen L. Lamb, Reg. # 20,831

Date: 3-25-99

**A METHOD OF EXECUTING AN ELECTRONIC COMMERCE SALE FROM AN AFFILIATE WEB
SITE WITH A VENDOR THROUGH A HUB SERVER IN ONE STEP WITHOUT REENTERING
SHIPPING AND PAYMENT INFORMATION**

BACKGROUND OF THE INVENTION

Field of the Invention

This invention relates to Internet electronic commerce and more particularly, to a method by which a buyer can execute a sale from an affiliate web site with a vendor through a hub server without leaving the web site, or reentering the user's payment and shipping information

Description of the Prior Art

Internet electronic commerce allows businesses to conduct sales transactions over the Internet between customers (buyers) and vendors supplying goods and services. On-line software enables product displays and credit card ordering for users who sign onto a web site maintained by a vendor. Secure credit card transactions have made the purchase of goods and services safe and simple. Typically, a buyer browses a vendor's site and chooses items that are placed in an electronic shopping cart when the buyer clicks on an icon for a featured product. When all selections have been made, the buyer clicks on a "check-out" icon. A first time buyer is required to supply credit card information and a ship to address by filling out an on-line form. Clicking on a submit button submits the information in the form for processing. After a credit check is complete, the buyer is informed on-screen that the items will be shipped to the address supplied and the credit card will be debited for the total amount of the sale. The buyer's information is stored at the vendor's site, so that for subsequent visits to the same site, the buyer does not have to fill out a form again. However, if the buyer visits a different vendor's web site, the information will have to be supplied again, and again for each different vendor's web site visited.

If a user chooses Amazon.com's Book Store, the query form for Amazon.com is put on-screen. Alternatively, an advertising banner for Amazon.com's Book Store may be displayed at another web site, such as the WebData™ site (www.webdata.com). Once a user chooses a banner and clicks, the user leaves the WebData™ site for Amazon.com's Book Store web site.

Once at the Amazon.com's Book Store web site, book purchases can be made by the conventional on-line shopping cart method described above or by a special Amazon.com feature called 1-Click™. With 1-Click™, a buyer on the Internet can place an order by clicking just one button at the Amazon.com web site. Those buyers who have never placed an order at Amazon.com simply use an "Add it to your Shopping Cart" button to place the first order, proceed to the checkout and use the standard ordering process to complete the order. 1-Click ordering is turned on after this first order, provided the order is placed using a credit card.

1 After this first order, it isn't necessary for the user to fill out an order form again. The site automatically
2 references the buyer's account information stored at the site for shipping and billing information. All domestic 1-
3 Click™ orders made within a 90-minute period are consolidated by availability.

4
5 The buyer's 1-Click™ settings, which include shipping address, shipping method, and payment information,
6 are created when the buyer first uses a credit card to make an order with Amazon.com. The buyer can change,
7 activate, or turn off 1-Click™ settings.

8
9 While 1-Click™ ordering offers easy, streamlined buying for users at the amazon.com web site, there is no
10 mechanism by which potential buyers can place an order from another web site without first being transferred to the
11 amazon.com web site.

12
13 It is desirable to have a way to consummate a sale of products or services of many different vendors
14 displayed on a web page without the user leaving the web site upon which the buyer found the product or service
15 advertised. Furthermore, the buyer information should be remembered so that any user can purchase any vendor's
16 product from any affiliate's web site.

17 18 **Summary of the Invention**

19 Briefly, the invention is concerned with a method of processing multiple electronic transactions at a hub
20 server. Three databases are stored at the hub, a vendor product information database, a buyer profile database, and
21 an affiliate web Site database. The product information is referenced by a number of affiliate web Sites. Buyer
22 credit card or payment method and shipping information of one or more buyers, including a particular buyer, is
23 stored in the database during the first purchase from an affiliate web site. When a purchase request of the particular
24 buyer is received from one of the affiliate web sites, the stored buyer credit and shipping information of the
25 particular buyer is combined with product selection received from the affiliate site resulting in combined purchase
26 order information. The combined purchase order information is recorded and forwarded to the vendor's web site or
27 order entry system.

28
29 In accordance with an aspect of the invention, the hub server dynamically creates HTML code and/or
30 JavaScript needed to submit a purchase request if the user clicks on an icon/button. This HTML and JavaScript is
31 dynamically inserted into the page with an <IFRAME>, JavaScript, or similar tag.

32
33 The invention has the advantage that it enables a sale to be completed without the buyer leaving the
34 affiliate's site.

The invention has the advantage that a buyer need enter credit card and ship to data only once and can visit any Site in the affiliate network later without having to reenter the data, even though new products from new vendors may be subsequently featured on any site.

Brief Description of the Drawings

The invention will be described in greater detail with reference to the drawings in which:

FIGURE 1 is an overall block diagram of an Internet commerce system in which the present invention is embodied;

FIGURE 2 is a flow diagram of computer software implementing vendor sign-up software;

FIGURE 3 is a flow diagram of computer software implementing affiliate sign-up software;

FIGURE 4 is a flow diagram of computer software implementing select vendor products software; and,

FIGURES 5a and 5b comprise a flow diagram of computer software implementing execute buyer's order software.

DETAILED DESCRIPTION OF THE INVENTION

Refer to **FIGURE 1** which is an overall block diagram of an Internet commerce system in which the present invention is embodied. A central hub server 100 stands between a number of vendor web sites 102, 104, 106 and a number of affiliate web sites 108, 110, 112, to execute sales of vendor products featured on the affiliate web sites. A buyer 114 that browses an affiliate web site 110 and views a page containing product insert code causes identifiers of the buyer, the affiliate site, the product (or category), and optionally the vendor site to be sent to the hub server. The hub server searches a database to find a picture of the product, its current price and the buyer's previously stored credit and shipping address. The hub server returns an HTML <FORM> to the user, including a picture of the product, its price, affiliate ID, product ID, and buyer ID with a submit icon superimposed on the picture. The picture and submit icon are displayed on the affiliate's web page. If the buyer clicks on the submit icon, the purchase request form data is returned to the hub server. At the hub server, the orders are aggregated by vendor. Then the transactions are processed. The buyer's credit card is debited with the purchase price and the vendor site is credited with the sale less a commission which is credited to the affiliate site and the hub server. Alternatively, the buyer's information is forwarded to the vendor with the hub's (vendor affiliate) ID for commission/credit later. The form includes all information necessary to make the purchase: product code, price, affiliate site ID, vendor site ID and buyer ID. The purchase request is forwarded to the vendor which processes the sale and ships the product to the buyer's shipping address.

If the hub server searches the database and finds that the buyer's stored credit and shipping address have not been previously stored, the hub server returns a blank form to the buyer. The first time buyer is required to fill out the form which is submitted to the hub server. The hub server stores the buyer's credit and shipping address information for use with subsequent visits by this buyer to any of the affiliate web sites.

Vendor sign-up Software

Refer to **FIGURE 2** which is a flow diagram of computer software implementing vendor sign-up software. Vendors may sign up to sell products through affiliated network sites. Alternatively, orders can be forwarded to a vendor through its web interface even if the vendor is not explicitly signed up. In either case, buyer information and credit card number are forwarded to the vendor's site by the hub server with all orders. If a vendor's sign-up request is received 204 at the hub server, an on-line registration form is displayed 206. The vendor completes the form which includes a list of vendor's products to be offered for sale, or a site where the products may be found. When the completed form is received at the hub server 208, the vendor ID and list of (or location of) products being offered are stored in the hub server database.

Affiliate sign-up Software

Refer to **FIGURE 3** which is a flow diagram of computer software implementing affiliate sign-up software. Affiliate sites may sign up to be part of the network by filling out an online form. If an affiliate's sign-up request is received 304 at the hub server via the hub server web page, an affiliate on-line registration form is displayed 306. The affiliate completes the form which includes the affiliate's ID. When the completed form is received at the hub server 308, the affiliate ID is stored in the hub server database.

Select Vendor Products Software

Refer to **FIGURE 4** which is a flow diagram of computer software implementing select vendor products software. A list of available vendor products obtained from the vendors during the vendor sign-up procedure is displayed 402. Alternatively, product categories may be displayed. Affiliate sites may select 404 any number of different vendor's products to sell, or product categories, suited to the nature of the affiliate's web site. A separate template is generated 406 automatically for each product or product category. This template is then pasted into an affiliate site's web page in accordance with the preference of the affiliate.

Display Product to Buyer Software

Refer to **FIGURE 5a** which comprises a flow diagram of computer software implementing display product to buyer software. A prospective Buyer browses a web page on an affiliate site that has a product displayed with a submit icon on it. The product and submit icon are placed on the web page by an <IFRAME> or <JAVASCRIPT> tag (or similar tag).

A cookie received 502 at the hub server identifies a prospective buyer. Arguments in the IFRAME/JS sent to the hub server identify the affiliate site, product, and optionally the vendor site. A cookie is an identifier assigned to a buyer by the hub. If this is not a first time buyer, a buyer profile and shipping information is available and retrieved 504. If the product is specified by the affiliate 506 a picture of the product with a submit icon superimposed on it (or next to it) is returned to the user 510. If the product is not specified by the affiliate 506 a product is selected 508 from a product category randomly or based on the user profile retrieved previously.

As described above, a picture of the specified Product is returned to the user on the affiliate's page from the hub server (or pointed to by the hub) and is displayed with the "submit" icon on it. The ALT text associated with the "submit" icon describes the purchase, for example, *"Buy 1 Electronic Day Trader for \$21.50 from Amazon. Ship to John Smith."* This is a <FORM> with all the necessary information required to make the purchase: product code, price, affiliate site, vendor (optional) and buyer. The "submit" image functions as a submit button.

Execute Buyer's Order Software

Refer to **FIGURE 5b** which comprises a flow diagram of computer software implementing execute buyer's order software. If the user clicks on the "submit" button, a purchase request for the product is made. When the purchase request is received at the hub server 512, and a vendor is specified 516, the purchase request is sent to the vendor site 520 for shipment by the vendor to the buyer. If a vendor is not specified 516, a vendor is selected based on the best price and/or aggregate efficiency criteria such as shipping agent, geographical location, etc.

Once the purchase request is confirmed by the vendor 522, the hub server bills the buyer's credit card 524, credits the affiliate site with a commission 526 and confirmation from the vendor is returned to the buyer by email by the hub server 528. All purchase requests made within an hour (less any cancellations) are aggregated by the vendor and forwarded.

Buyer Information

Buyer data is stored at the hub server, so it can be utilized by buyers to make purchases from all affiliate sites in the affiliate network. The first time a buyer orders a product 514, a form is sent to the user to collect the buyer's shipping address, shipping method, and credit card payment information 532. Once the completed form is received at the hub server 534, the information collected is stored 536 at the hub server. The buyer's proprietary information need not be sent to the affiliate site as it is securely stored at the hub server.

It will be understood by those skilled in the art that the product displayed can be random within a category. Also, the product displayed can be custom based on the buyer's profile, site and category. Additionally a product (such as a book) may be featured, but the vendor selected before or after purchase based on price or aggregation efficiency. (e.g. If one of two books ordered is only available from a single vendor, it may be cheaper or more convenient to order both books from the same vendor to reduce shipping costs).

While the invention has been particularly shown and described with reference to preferred embodiments thereof, it will be understood by those skilled in the art that the foregoing and other changes in form and detail may be made therein without departing from the scope of the invention.

What is claimed is:

CLAIMS

1. A method of processing multiple electronic transactions at a hub server comprising:
 - Maintaining a vendor product information database of product information at said hub server;
 - Said product information being accessible by a number of affiliate web sites;
 - Maintaining an affiliate web site database at said hub server;
 - Maintaining a buyer profile database of buyer information of one or more buyers, including a particular buyer, at said hub server;
 - Combining stored buyer information of said particular buyer with product selection from one of said affiliate sites upon a condition that a purchase request of said particular buyer is received, resulting in combined purchase order information being sent to the hub server; and,
 - Forwarding said combined purchase order information from said hub server to a vendor.
2. The method of claim 1 wherein said particular buyer information is stored in said buyer profile database during a first purchase by said particular buyer at an affiliate web site.
3. The method of claim 1 wherein said step of forwarding said combined purchase order information from said hub server to said particular buyer comprises:
 - Dynamically creating computer code needed to submit a purchase request upon a condition that said particular buyer selects a submit icon displayed on a web page; and,
 - Inserting said computer code into said web page with a tag.
4. The method of claim 2 wherein said step of forwarding said combined purchase order information from said hub server to said particular buyer comprises:
 - Dynamically creating computer code needed to submit a purchase request upon a condition that said particular buyer selects a submit icon displayed on a web page; and,
 - Inserting said computer code into said web page with a tag.
5. The method of claim 3 wherein said computer code is one or more of HTML code and JavaScript; and, wherein said tag is one or more of an <IFRAME> and JavaScript.
6. The method of claim 4 wherein said computer code is one or more of HTML code and JavaScript; and wherein said tag is one or more of an <IFRAME> and JavaScript.
7. A method of processing multiple electronic transactions at a hub server comprising:
 - Maintaining a vendor product information database of product information at said hub server;
 - Said product information being accessible by a number of affiliate web sites;
 - Maintaining an affiliate web site database at said hub server;

5 Maintaining a buyer profile database of buyer billing and shipping information of one or more buyers,
6 including a particular buyer, at said hub server;

7 Combining stored buyer billing and shipping information of said particular buyer with product selection
8 received from one of said affiliate sites upon a condition that a purchase request of said particular buyer is received,
9 resulting in combined purchase order information;

10 Recording said combined purchase order information at said hub server; and,

11 Forwarding said combined purchase order information from said hub server to a vendor.

1 8. The method of claim 7 wherein said particular buyer billing and shipping information is stored in said buyer
2 profile database during a first purchase involving said particular buyer at an affiliate web site.

1 9. The method of claim 7 wherein said step of forwarding said combined purchase order information from said hub
2 server to said particular buyer comprises:

3 Dynamically creating computer code needed to submit a purchase request upon a condition that said
4 particular buyer selects a submit icon displayed on a web page; and,

5 Inserting said computer code into said web page with a tag.

1 10. The method of claim 8 wherein said step of forwarding said combined purchase order information from said hub
2 server to said particular buyer comprises:

3 Dynamically creating computer code needed to submit a purchase request upon a condition that said
4 particular buyer selects a submit icon displayed on a web page; and,

5 Inserting said computer code into said web page with a tag.

1 11. The method of claim 9 wherein said computer code is one or more of HTML code and JavaScript; and wherein
2 said tag is one or more of an <IFRAME> and JavaScript.

1 12. The method of claim 10 wherein said tag is one or more of an <IFRAME> and JavaScript; and wherein said tag
2 is one or more of an <IFRAME> and JavaScript.

1 13. A method of processing multiple electronic transactions at a hub server comprising:

2 Maintaining a vendor product information database of product information at said hub server;

3 Said product information being accessible by a number of affiliate web sites;

4 Maintaining an affiliate web site database at said hub server;

5 Maintaining a buyer profile database of buyer billing and shipping information of one or more buyers,
6 including a particular buyer, at said hub server;

Combining stored buyer billing and shipping information of said particular buyer with product selection received from one of said affiliate sites upon a condition that a purchase request of said particular buyer is received, resulting in combined purchase order information;

Recording said combined purchase order information at said hub server; and,

Forwarding said combined purchase order information from said hub server to a vendor.

14. The method of claim 13 wherein said particular buyer billing and shipping information is stored in said buyer profile database during a first purchase involving said particular buyer at an affiliate web site.

15. The method of claim 13 wherein said step of forwarding said combined purchase order information from said hub server to said particular buyer comprises:

Dynamically creating computer code needed to submit a purchase request upon a condition that said particular buyer selects a submit icon displayed on a web page; and,

Inserting said computer code into said web page with a tag.

16. The method of claim 14 wherein said computer code is one or more of HTML code and JavaScript; and wherein said tag is one or more of an <IFRAME> and JavaScript.

17. The method of claim 15 wherein said tag is one or more of an <IFRAME> and JavaScript; and wherein said tag is one or more of an <IFRAME> and JavaScript.

18. A method of processing multiple electronic transactions at a hub server comprising:

Accessing vendor product information from a vendor web site;

Storing said product information at said hub server;

Transferring said product information to a number of affiliate web sites;

Receiving buyer billing and shipping information of one or more buyers, including a particular buyer, from affiliate web sites;

Storing said buyer billing and shipping information at said hub server;

Receiving a purchase request of said particular buyer from one of said affiliate web sites;

Combining said stored buyer billing and shipping information of said particular buyer with product selection information received from said affiliate site resulting in combined purchase order information; and,

Forwarding said combined purchase order information to said vendor.

19. A method of enabling multiple and different remote Internet resident affiliate web sites to allow users to effect purchases at a separate vendor web site comprising:

A. Storing, in a database at a hub server, specific buyer information, including billing and shipping information;

B. Generating a number of templates, each template corresponding to a product (or product category) to be displayed on an affiliate web page;

C. Receiving at said hub server, a cookie, said cookie identifying a prospective buyer, said affiliate site, said product and optionally said vendor site;

D. Dynamically creating a <FORM> including all information necessary to effect a purchase transaction;

E. Returning a picture of said product with a submit image and said <FORM> to said particular user; and,

F. Forwarding a purchase request for said product to be shipped to said buyer to a vendor upon a condition that said <FORM> is submitted to said hub server.

21. The method of claim 20 further comprising:

G. Arranging said picture of said product and a submit image on screen such that a purchase request can be initiated by selecting said submit image.

22. The method of claim 20 wherein said <form> includes product code, price, affiliate ID and vendor ID.

23. In system of electronic commerce in which a central hub server stands between a number of affiliate web sites and a number of vendor web sites to execute sales of vendor products featured on said affiliate web sites, a method comprising:

associating a number of affiliate web sites with said hub server;

selecting, at said affiliate web sites, products offered by vendors;

displaying selected products to users on said affiliate web pages;

causing identifiers of a buyer, an affiliate web site, a product, and a vendor site, to be sent to said hub server in response to a buyer that browses an affiliate web site clicking on a displayed vendor product ;

searching a database at said hub server to find a picture of said product, its current price and previously stored credit information and shipping address of said buyer;

sending, from said hub server to said particular user, a form including said picture of said product, its price and a submit icon superimposed on said picture;

returning said form, from said buyer to said hub server, upon a condition that said buyer clicks on said submit icon;

debiting, at said hub server, said buyer's credit card with said purchase price;

crediting said vendor site with a sale less a commission credited to said affiliate site;

submitting to said vendor all information necessary to make a purchase: product code, price, affiliate site, vendor ID, buyer ID and shipping address; and,

processing said sale at said vendor site, including shipping said product to said shipping address in said form.

24. The method of claim 18 wherein said step of transferring said product information to a particular user includes selecting said product information randomly within a category.

25. The method of claim 19 wherein said step of generating a number of templates, each template corresponding to a product to be displayed at an affiliate web site includes selecting a product randomly within a category.

26. The method of claim 18 wherein said step of transferring said product information to a particular user includes selecting said product based on one or more of a buyer's profile, affiliate site and category.

27. The method of claim 19 wherein said step of generating a number of templates, each template corresponding to a product to be displayed at an affiliate web site includes selecting said product based on one or more of a buyer's profile, affiliate site and category.

28. The method of claim 1 wherein said step of forwarding said combined purchase order information from said hub server to a vendor includes selecting said vendor based on price or aggregation efficiency.

29. The method of claim 7 wherein said step of forwarding said combined purchase order information from said hub server to a vendor includes selecting said vendor based on price or aggregation efficiency.

30. The method of claim 13 wherein said step of forwarding said combined purchase order information from said hub server to a vendor includes selecting said vendor based on price or aggregation efficiency.

ABSTRACT OF THE DISCLOSURE

A central hub server stands between a number of affiliate web sites and a number of vendor web sites to execute sales of vendor products featured on the affiliate web sites. Affiliate sites sign-up with the hub server and select products offered by vendors. The affiliate sites feature selected vendor products on their web sites. A buyer that browses an affiliate web site causes identifiers of the buyer, the affiliate site, and the product to be sent to the hub server. The hub server searches a database to find a picture of the product, its current price and the buyer's previously stored credit information and shipping address. The hub server returns a form to the user visiting the affiliate site, including a picture of the product, its price and a submit icon superimposed on the picture. If the buyer clicks on the submit icon, the purchase information is returned to the hub server. The buyer's credit card is debited with the purchase price and the vendor site is credited with the sale less commissions credited to the affiliate site and the hub. The form submitted to the vendor site includes all information necessary to make the purchase: product code, price, hub affiliate ID, and buyer shipping and billing information. The vendor site processes the sale and ships the product to the buyer's address.

FIGURE 1

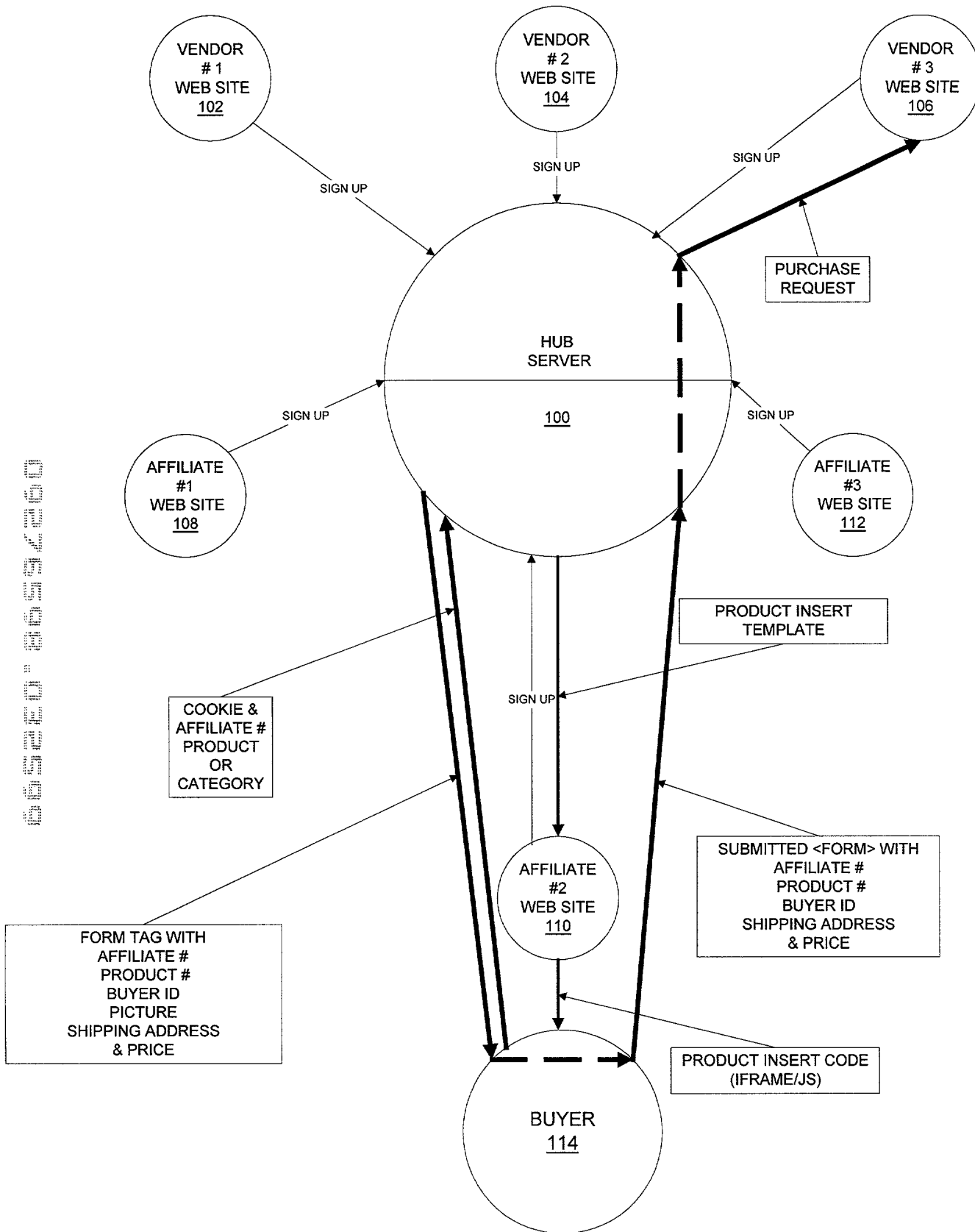


FIGURE 2

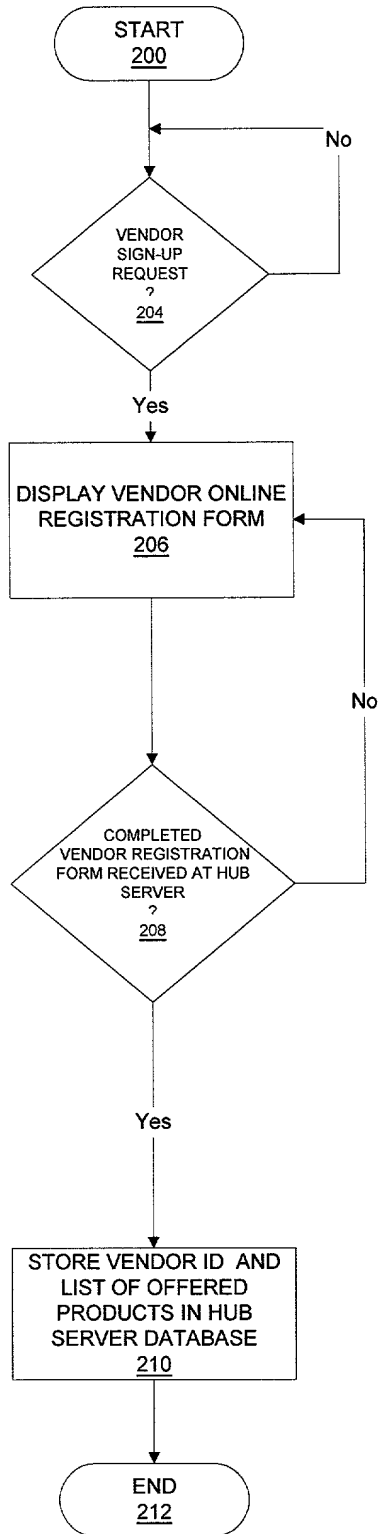


FIGURE 3

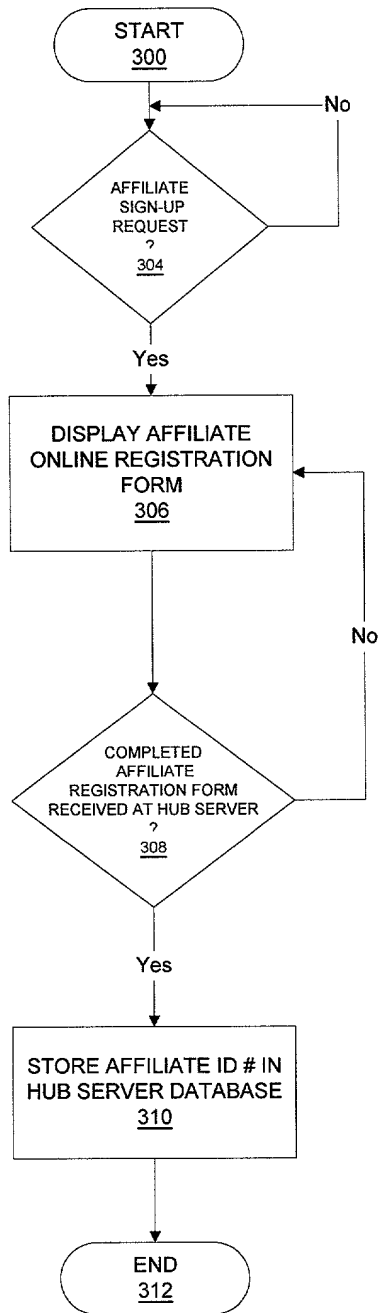


FIGURE 4

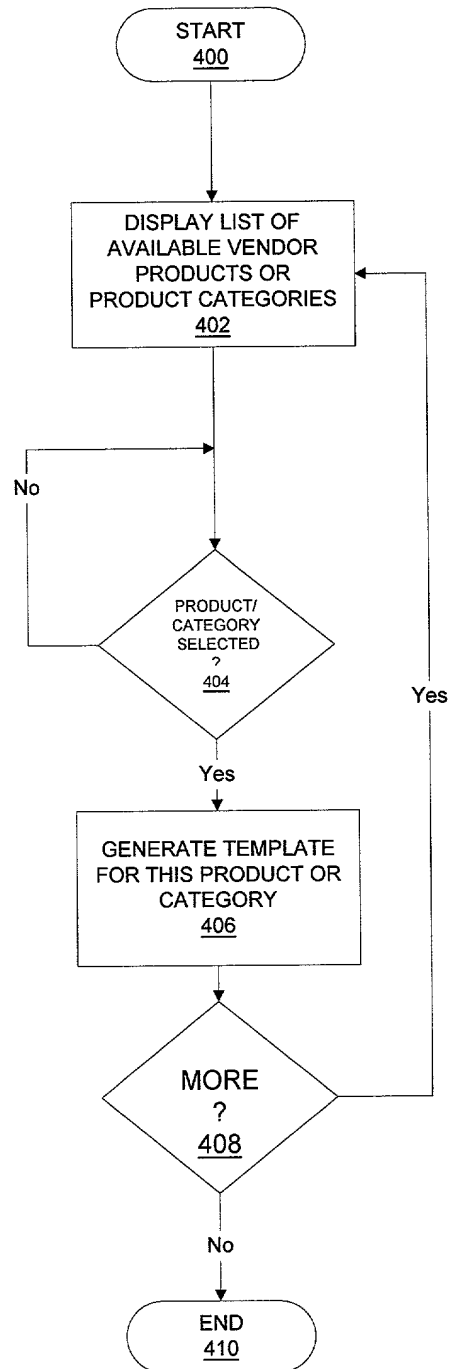


FIGURE 5a

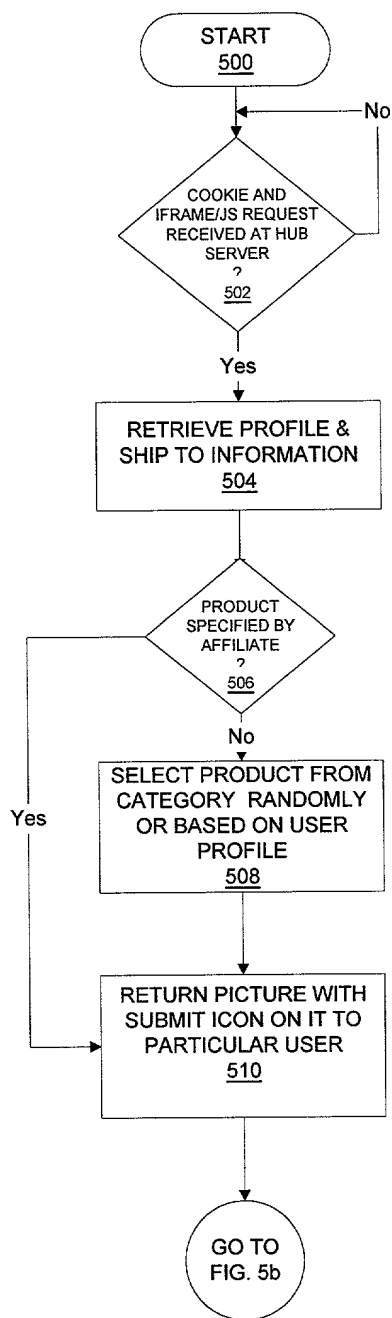
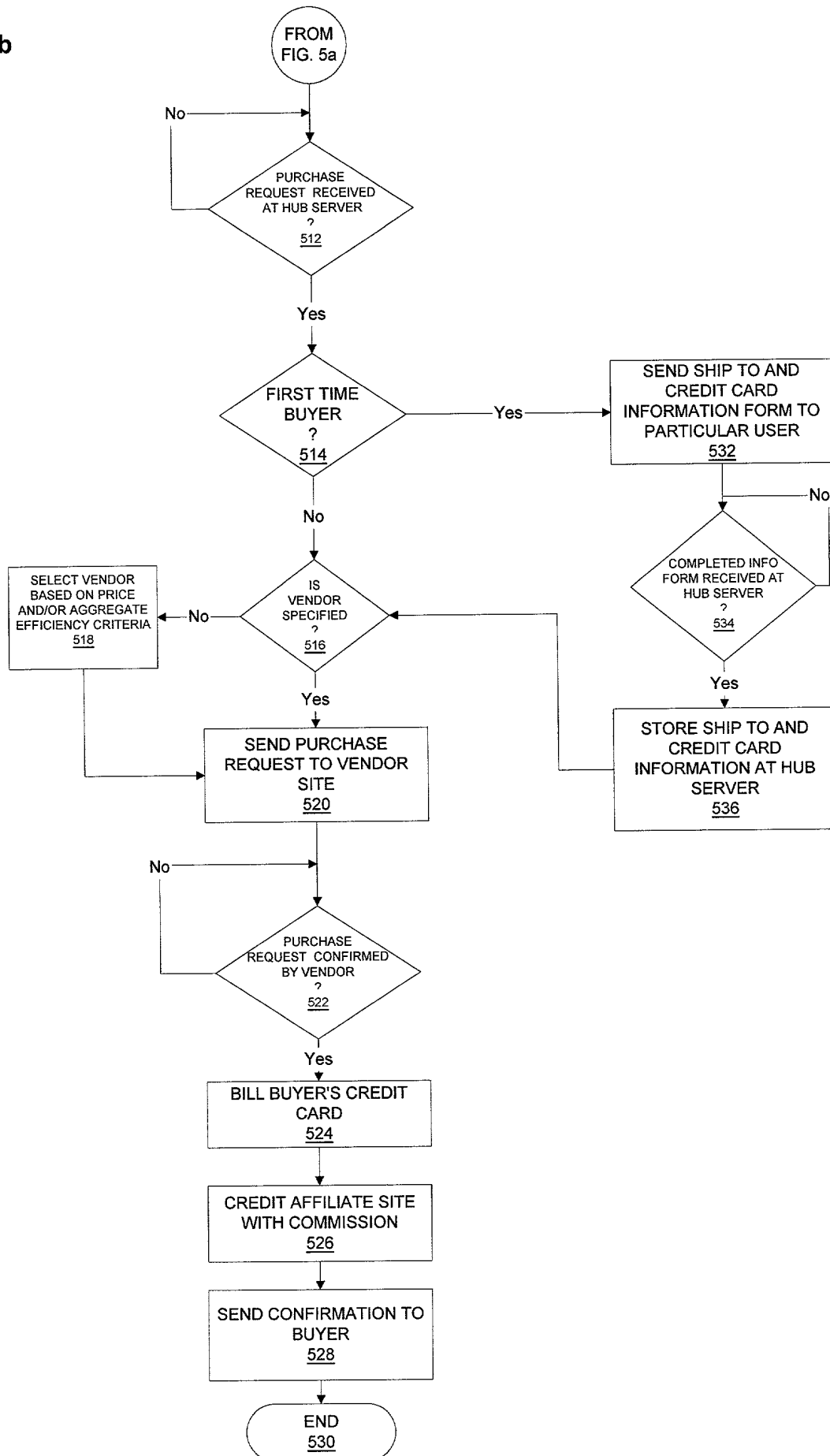


FIGURE 5b



Docket No.

D-1507

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

A Method Of Executing An Electronic Commerce Sale From An Affiliate Web Site With A Vendor Through A Hub Server In One Step Without Reentering Shipping And Payment Information

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International

Application Number _____

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

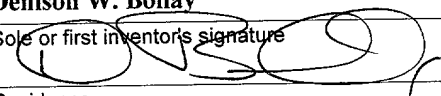
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

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